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In another embodiment of the invention the labeled oligonucleoitde sequence is directed against at least a target sequence in the glutathione-S-transferase (pi) gene. preferable target sequences of the glutathione-S-transferase (pi) gene would be as follows:

5' CTC CAG CGA CGG CCT CGC GGC CTC CGA GCC TTA TAA G 3' (SEQ ID NO: 4)

5' GGG GAC GCG GGC CGC GCG TAC TCA CTG GTG GCG A 3' (SEQ ID

NO: 5)-**f**

2. On page 16, please replace Table 1 with the following Table:

Molecular Beacon A	5'-(6FAM) CGA GGC GGG CTG GAC GCG TCG GAG
	GCC TCG (DABCYL)-3' (SEQ ID NO: 6)
	<u> </u>
Molecular Beacon B	5'-(6FAM) CGA GGG GGC TGG ACG CGT CGG AGC
	CTC G (DABCYL)-3' (SEQ ID NO: 7)
	CTC O (DIEDCTE) 5 (SEQ ID TO. 1)
Complementary strand A	5'-CTC CGA CGC GTC CAG CCC G-3' (SEQ ID NO: 8)
Complementary strand A	3 -C1C CG/1 CGC G10 C/10 CCC G 5 (622 22 110 15)
Complementary strand B	5'-CTC CGA CGC GTC CAG CCC-3' (SEQ ID NO: 9)
Complementary strand B	5 -C1C Cdit Cdc d1c cita ccc t (c= (=
5M	5'-GCmG GCmG ACT CCmG ACmG CmGT CCA GCC
	C _m GC _m GCT CC-3' (SEQ ID NO: 10)
	CmGCm GC1 CC-3 (SEQ ID NO. 10)
Non-5M	5'- GCG GCG ACT CCG ACG CGT CCA GCC CGC
	GCT CC-3' (SEQ ID NO: 1)
1	

 $C_m = 5$ methylated cytosines

ID NO 12)

ID NO 13)

5M = preferred Myf-3 target sequence, 5M methylated, Non-5M unmethylated (see page 12, line 8)

The stem sequences are underlined

3. On page 21, please replace the section titled "Methylated Oligonucleotides" with the following section:

Methylated Oligonucleotides

X

5-5M 5'-GCG GCG ACT CCG ACG CGT CCA GCC CGC GCT CC-3' (SEQ ID NO 11)

4-5M 5'-GCG GCG ACT CCG ACG CGT CCA GCC CGC GCT CC-3' (SEQ

3-5M 5'-GCG GCG ACT CCG ACG CGT CCA GCC CGC GCT CC-3' (SEQ

2-5M 5'-GCG GCG ACT CCG ACG CGT CCA GCC CGC GCT CC-3' (SEQ ID NO 14)

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1-5M

5'-GCG GCG ACT CCG ACG CGT CCA GCC CGC GCT CC-3' (SEQ

ID NO 15)

M = methylated cytosine residues

NB. Reaction profiles showin in Fig.2

Modifications and variations such as would be apparent to the skilled addressee are considered to fall within the scope of the present invention.

REMARKS

A separate sheet is attached which shows the changes made to the original paragraphs and sections amended herein.

Applicants submit that submitted herewith is an original paper copy and an initial computer readable copy of the Sequence Listing as required by the Notice to File Missing Parts.

In accordance with 37 C.F.R. §1.821 (f)(g) Applicants hereby state that the paper copy and the computer readable form of the Sequence Listing submitted herewith in the above-identified patent application are supported in the application and contain no new matter. Applicants hereby further state that the information recorded in computer readable form is identical to the written sequence listing.

Date: December 3, 2001

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